

Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: PrentaLux

Report Number: P1504794

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-BLAK-PS (6500K_L16_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504794
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-54)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 7/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS2-1218-MV-L8C5-U-B-06-BLAK-PS (6500K_L16_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC BLACK SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

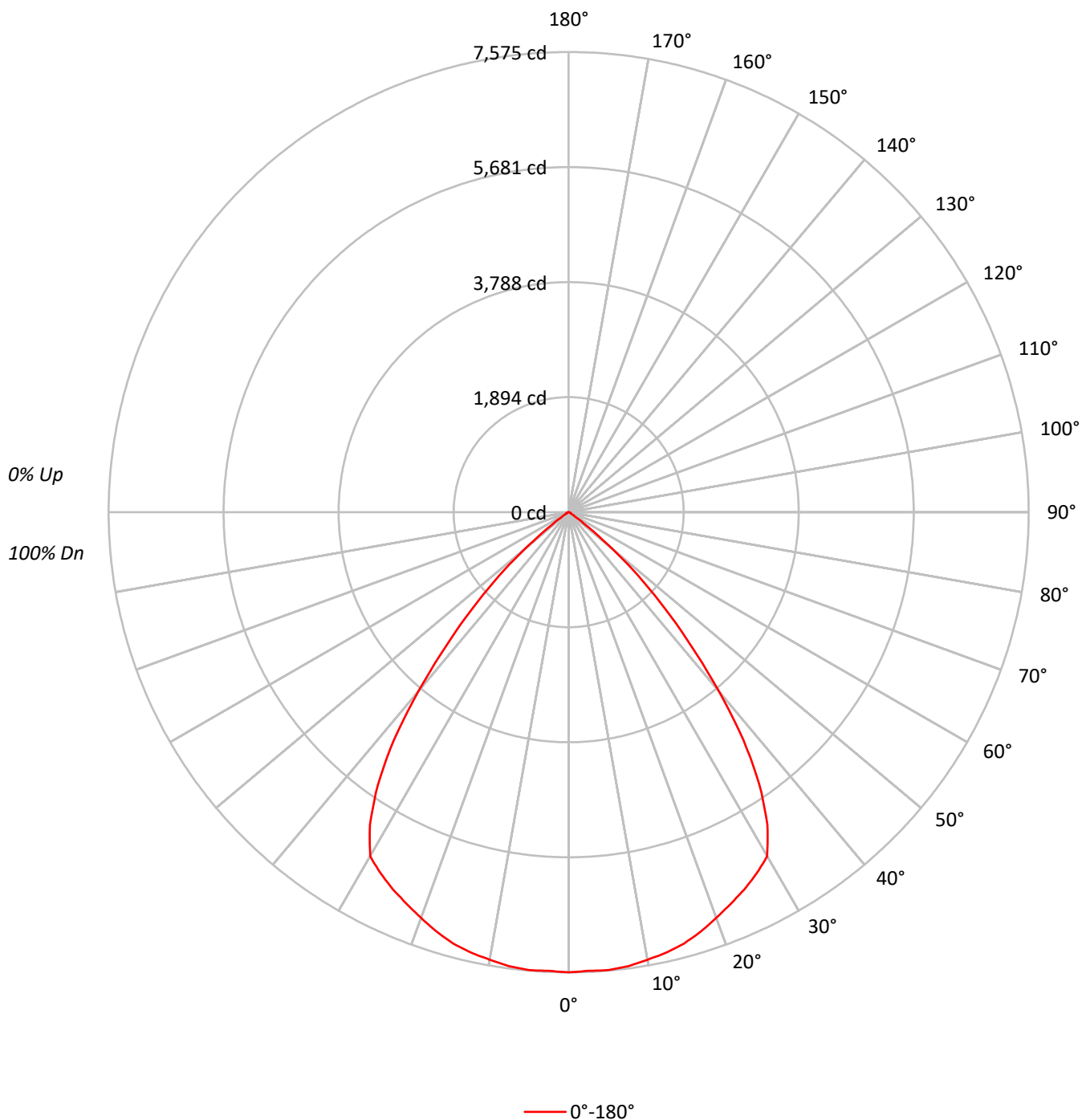
Lumens per Lamp: N/A
Luminaire Lumens: 11354.0 lumens
Efficiency: N/A
Efficacy: 110.8 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.16
Luminous Opening: Circular (Dia: 1.3' x H: 0')
CIE Type: Direct

Input Watts (W): 102.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20					
RC	80					70					50					30					10					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100								
1	113	110	107	104	110	108	105	103	103	101	100	100	98	97	96	95	94	92								
2	106	101	96	92	104	99	95	91	96	92	89	93	90	87	90	88	86	84								
3	100	93	87	83	98	91	86	82	89	84	81	86	82	79	84	81	78	76								
4	94	85	79	74	92	84	78	74	82	77	73	80	75	72	78	74	71	69								
5	88	79	72	67	86	78	71	67	76	70	66	74	69	66	72	68	65	63								
6	83	73	66	61	81	72	65	61	70	65	60	69	64	60	67	63	59	58								
7	78	67	60	56	76	67	60	56	65	59	55	64	59	55	63	58	55	53								
8	73	63	56	51	72	62	55	51	61	55	51	60	54	50	59	54	50	49								
9	69	58	52	47	68	58	51	47	57	51	47	56	50	47	55	50	46	45								
10	65	54	48	43	64	54	48	43	53	47	43	52	47	43	51	46	43	41								

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	61427
5°	61588
10°	61591
15°	61707
20°	61333
25°	61282
30°	61222
35°	54231
40°	40683
45°	25764
50°	11789
55°	2361
60°	871
65°	603
70°	624
75°	633
80°	616
85°	568

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 25764 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	719.3	6.3
10°-20°	2071.5	18.2
20°-30°	3157.4	27.8
30°-40°	3341.4	29.4
40°-50°	1747.2	15.4
50°-60°	255.1	2.2
60°-70°	34.4	0.3
70°-80°	21.0	0.2
80°-90°	6.7	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	5948.2	52.4
0°-40°	9289.6	81.8
0°-60°	11291.9	99.5
0°-90°	11354.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11354.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7575	
5°	7566	719
15°	7350	2072
25°	6849	3157
35°	5478	3341
45°	2246	1747
55°	167	255
65°	31	34
75°	20	21
85°	6	7
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	7574.7
2.5°	7556.5
5°	7565.6
7.5°	7538.3
10°	7479.5
12.5°	7426.9
15°	7349.9
17.5°	7237.6
20°	7107.0
22.5°	6975.4
25°	6848.8
27.5°	6704.0
30°	6538.0
32.5°	6091.5
35°	5478.0
37.5°	4726.8
40°	3843.0
42.5°	2985.5
45°	2246.5
47.5°	1561.1
50°	934.4
52.5°	406.0
55°	167.0
57.5°	100.2
60°	53.7
62.5°	39.5
65°	31.4
67.5°	28.3
70°	26.3
72.5°	23.3
75°	20.2
77.5°	16.2
80°	13.2
82.5°	9.1
85°	6.1
87.5°	3.0
90°	0.0

(END OF REPORT)